CLAIMS

1. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, wherein said first and second networks can cohabit or form a single network,

5   characterised in that said server terminal is a mobile terminal,

and in that said method includes at least the following steps:

-      initialisation of a communication session by the client terminal with the mobile server terminal;

-      establishment of the communication session by opening a direct

10   communication tunnel between the client terminal and the mobile server terminal;

so that said client terminal can consult information made available by the mobile server terminal and/or the client terminal can use and/or interact with all or some of the services of the mobile server terminal.

15   2. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to claim 1, characterised in that said second communication network is a wireless mobile communication network accessible through a security firewall.

20   3. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to either one of claims 1 or 2, characterised in that said communication initialisation step includes at least the following series of steps:

25   -   step A: sending a first TCP (Transmission Control Protocol) request from the client terminal to a domain name server;

-      step B: reception by the client terminal of a response to the first request, which contains at least one set of predetermined parameters for connection to a first public proxy server belonging to the first communication

30   network;

- step C: connection of the client terminal to the first public proxy server, by means of predetermined parameters, such as the IP address and/or communication port number;

- step D: transmission by the first public proxy server of a request to initialise a communication session to a second private proxy server belonging to the second communication network in the form of an access request signal;

- step E: sending a second TCP connection request by the second private proxy server, to a predetermined communication port of the mobile server terminal;

- step F: transmission by the mobile server terminal of an acknowledgement of the second TCP connection request to the second private proxy server;

- step G: sending a third TCP connection request by the second private proxy server to a predetermined communication port of the first public proxy server;

- step H: transmission by the first public proxy server of an acknowledgement of the third TCP connection request to the second private proxy server;

- step I: transmission by the first public proxy server of an acknowledgement of the first TCP connection request to the client terminal;

so as to initiate said communication session and establish the opening of said direct communication tunnel between the client terminal and the mobile server terminal, wherein said tunnel passes through said security firewall.

4. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to claim 3, characterised in that said access request signal transmitted by said client terminal is of the type belonging to the group including at least:

- an SMS message;
- an e-mail message;

and in that it includes a list of predetermined parameters.

5. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to claim 4, characterised in that said list of predetermined parameters includes at least parameters of the type belonging to the group including at least:

- an IP address for identification of the first public proxy server at the origin of the access request signal;

- a communication port number for additional identification of the first public proxy server at the origin of the access request signal;

- at least one key for securing the communication initialisation request step.

6. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to either one of claims 4 or 5, characterised in that said list of predetermined parameters also includes at least one additional parameter corresponding to a unique call number of the second server terminal, when said access request signal is an SMS message, and/or corresponding to the type of the communication tunnel security protocol.

7. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to either one of claims 4 or 5, characterised in that said list of predetermined parameters also includes at least one additional parameter corresponding to an e-mail address of said second server terminal, when said access request signal is of the e-mail messagetype.

8. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to claim 5, characterised in that said security key is a negotiation and/or encryption key.

9. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to any one of claims 1 to 8,

characterised in that said communication tunnel established between said client terminal and said mobile server terminal includes http-type authentication means.

10. Method for access, by at least one client terminal connected to a first communication network, to the data and/or services of a server terminal connected to a second communication network, according to any one of claims 1 to 9, characterised in that said communication tunnel established between said client terminal and said mobile server terminal includes secure data transmission means of the type using at least:

-       the IPSEC protocol;

-       the communication tunnel encryption protocol.

11. Device for communication and/or radiocommunication between at least one client terminal and at least one mobile server terminal, characterised in that it implements the method according to claims 1 to 10.

12. Application of the method according to claims 1 to 10 to the fields belonging to the group including at least:

-       wireless applications using Web services;

-       on-board telemedicine applications enabling a physician to regularly access a mobile telephone serving as a mobile server terminal, so as to access and monitor the data of a patient, who is the owner of said mobile telephone;

-       distributed interactive applications of the type including at least:

    -       distributed games;

    -       on-board collaborative work applications on communicating mobile terminals.